

# List of All Chemicals

## **P** Cryptotaenia japonica (Apiaceae)

### Common name(s)

Japanese Cryptotaenia; Mitsuba; Stone Parsley; Ya Er Qin; Japanese Honewort

### How used

Medicinal

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
ALANINE	Root	--	--		*
<b>Activities (3)</b>					
Antioxidant	Larson, R.A. 1987. Review Article Number 30. The Antioxidants of Higher Plants. Phytochemistry. 27: 969-978.				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Oxidant	Larson, R.A. 1987. Review Article Number 30. The Antioxidants of Higher Plants. Phytochemistry. 27: 969-978.				
ALANINE	Shoot	--	--		*
<b>Activities (3)</b>					
Antioxidant	Larson, R.A. 1987. Review Article Number 30. The Antioxidants of Higher Plants. Phytochemistry. 27: 969-978.				
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.				
Oxidant	Larson, R.A. 1987. Review Article Number 30. The Antioxidants of Higher Plants. Phytochemistry. 27: 969-978.				
ARGININE	Root	--	--		*
<b>Activities (14)</b>					
Antidiabetic?	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.				
Antiencephalopathic	Martindale's 29th				
Antihepatitic	Martindale's 29th				
Antihypertensive					
Antiimpotence					
Antiinfertility 4 g/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antioxidant?					
Aphrodisiac 3 g/day					
Diuretic					
Hypoammonemic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
NO-Genic					
Pituitary-Stimulant					
Spermigenic 4 g/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Vasodilator					
ARGININE	Shoot	--	--		*
<b>Activities (14)</b>					
Antidiabetic?	Wichtl, M. 1984. Teedrogen. Ein Handbuch fur Apotheker und Arzte. Wissenschaftliche Verlagsgesellschaft. mbH Stuttgart. 393 pp.				
Antiencephalopathic	Martindale's 29th				
Antihepatitic	Martindale's 29th				
Antihypertensive					
Antiimpotence					
Antiinfertility 4 g/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				
Antioxidant?					
Aphrodisiac 3 g/day					
Diuretic					
Hypoammonemic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
NO-Genic					
Pituitary-Stimulant					
Spermigenic 4 g/day	Werbach, M. 1993. Healing with Food. Harper Collins, New York, 443 pp.				

ASPARTIC-ACID	Shoot	--	--	*
<b>Activities (3)</b>				
Antimorphinic			Martindale's 28th	
Neuroexcitant			Martindale's 28th	
Roborant			Merck 11th Edition	
ASPARTIC-ACID	Root	--	--	*
<b>Activities (3)</b>				
Antimorphinic			Martindale's 28th	
Neuroexcitant			Martindale's 28th	
Roborant			Merck 11th Edition	
BETA-SITOSTEROL	Shoot	--	--	*
<b>Activities (47)</b>				
Androgenic				
Angiogenic				
Anorexic	Martindale's 28th			
Antiadenomic	Merck 11th Edition			
Antiandrogenic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.			
Antibacterial	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.			
Anticancer (Breast)	Madhavi, D. L., Bomser, J., Smith, M., Singletary, K. 1998. Isolation of Bioactive Constituents from Vaccinium myrtillus (Bilberry) Fruits and Cell Cultures. Plant Sci., 131(1): 95-103.			
Anticancer (Cervix)				
Anticancer (Lung)				
Antiedemic IC54=320 mg/kg orl				
Antiestrogenic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.			
Antifeedant	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.			
Antifertility	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.			
Antigonadotrophic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.			
Antihyperlipoproteinaemic	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antiinflammatory				
Antileukemic				
Antilymphomic				
Antimutagenic 250 ug/ml				
Antiphidic 2.3 mg mus	Economic & Medicinal Plant Research, 5: 363.			
Antioxidant IC44=10 uM				
Antiprogestational	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.			
Antiprostaglandin 30 mg/day/12 wks				
Antiprostadenomic	Merck 11th Edition			
Antiprostatic 10-20 mg 3 x/day/orl man				
Antipyretic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.			
Antitumor (Breast)	Madhavi, D. L., Bomser, J., Smith, M., Singletary, K. 1998. Isolation of Bioactive Constituents from Vaccinium myrtillus (Bilberry) Fruits and Cell Cultures. Plant Sci., 131(1): 95-103.			
Antitumor (Cervix)				
Antitumor (Lung)				
Antiviral	Abid Ali Khan, M.M., Jain, D.C., Bhakuni, R.S., Zaim, M., and Thakur, R.S. 1991. Occurrence of some antiviral sterols in Artemisia annua. Plant Science, 75: 161-165, 1991.			
Apoptotic				
Artemicide LC50=110 ppm	Jung, J.H., Pummangura, S., Chaichantipyuth, C., Patarapanich, C., and McLaughlin, J.L. 1989. Bioactive Constituents of Melodorum fruticosum. Phytochemistry. 29(5): 1667-1670. 1990.			
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Candidicide	Recently became Internat. J. Crude Drug Res. 28(1,2,3,4):1990, page 155.			
Caspase-8-Inducer				
Estrogenic				
Febrifuge	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.			
Gonadotrophic	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. Journal of Ethnopharmacology, 28: 221-234, 1990.			
Hepatoprotective				
Hypocholesterolemic 2-6 g/man/day/orl	Martindale's 30th			
Hypocholesterolemic 9-3,330 mg/man/day/orl	Martindale's 28th			
Hypoglycemic	Ivorra, M.D., Paya, M., and Villar, A. 1989. A Review of Natural Products and Plants as Potential Antidiabetic Drugs. Journal of Ethnopharmacology, 27: 243-275, 1989.			
Hypolipidemic 2-6 g/day				

Spermicide	Malini, T. and Vanithakumari, G. 1989. Rat Toxicity Studies With B-Sitosterol. <i>Journal of Ethnopharmacology</i> , 28: 221-234, 1990.			
Ubiquit	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			
Ulcerogenic 500 mg/kg ipr rat				
<b>CYSTINE</b>	<b>Root</b>	--	--	*
<b>Activities (2)</b>				
Adjuvant			Merck 11th Edition	
Antihomocystinuric			Martindale's 29th	
<b>D-GLUCOSE</b>	<b>Root</b>	--	--	*
<b>Activities (1)</b>				
Antisecretory				
<b>DIBUTYL-PHTHALATE</b>	<b>Plant</b>	--	--	*
<b>DIISOCTYLPHTHALATE</b>	<b>Plant</b>	--	--	*
<b>GLUTAMIC-ACID</b>	<b>Shoot</b>	--	--	*
<b>Activities (8)</b>				
Antialkali? 500-1,000 mg/day/orl/man	Martindale's 29th			
Antiepileptic				
Antihyperammonemic	Martindale's 29th			
Antilithic	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine.</i> John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antiprostatic 125-250 mg 3 x/day	Werbach, M. 1993. <i>Healing with Food.</i> Harper Collins, New York, 443 pp.			
Antiretardation	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			
Anxiolytic	Merck 11th Edition			
Neurotoxic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			
<b>GLUTAMINE</b>	<b>Root</b>	--	--	*
<b>Activities (5)</b>				
Antialcoholic 1,000 mg/man/day/orl	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine.</i> John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antidepressant	Werbach, M. 1993. <i>Healing with Food.</i> Harper Collins, New York, 443 pp.			
Antisickling				
Antiulcer 1,600 mg/man/day/orl	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine.</i> John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Catabolic	Tramil			
<b>GLYCINE</b>	<b>Root</b>	--	--	*
<b>Activities (12)</b>				
Antiacid	Martindale's 29th			
Antialdosteronic	Pizzorno, J.E. and Murray, M.T. 1985. <i>A Textbook of Natural Medicine.</i> John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antidote (Hypoglycin-A)	Martindale's 29th			
Antiencephalopathic	Martindale's 29th			
Antigastric	Martindale's 29th			
Antiprostatic 125-250 mg 3 x/day	Werbach, M. 1993. <i>Healing with Food.</i> Harper Collins, New York, 443 pp.			
Antipruritic	Merck 11th Edition			
Antisickling	Ekeke, G.I. and Shode, F.O. 1988. Phenylalanine is the Predominant Antisickling Agent in <i>Cajanus cajan</i> Seed Extract. <i>Planta Medica</i> 56(1): 41, 1990.			
Antiulcer	Martindale's 29th			
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Neuroinhibitor	Werbach, M. 1993. <i>Healing with Food.</i> Harper Collins, New York, 443 pp.			
Uricosuric				
<b>HISTIDINE</b>	<b>Root</b>	--	--	*
<b>Activities (7)</b>				
Antiarteriosclerotic				
Antinephritic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			
Antioxidant				
Antiulcer				
Antiuremic	Jeffery B. Harborne and H. Baxter, eds. 1983. <i>Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants.</i> Taylor & Frost, London. 791 pp.			

Essential Oxidant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
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ISOLEUCINE	Root	--	--	*
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<b>Activities (3)</b>				
Antiencephalopathic?	Martindale's 29th			
Antipellagic	Martindale's 28th			
Essential	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			

LEUCINE	Root	--	--	*
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<b>Activities (2)</b>				
Antiencephalopathic	Martindale's 29th			
Essential	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			

LINOLEIC-ACID	Shoot	--	--	*
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<b>Activities (27)</b>				
5-Alpha-Reductase-Inhibitor				
AntiMS	Economic & Medicinal Plant Research, 6: 189.			
Antiacne				
Antiallopecic				
Antianaphylactic	Economic & Medicinal Plant Research, 6: 189.			
Antiandrogenic				
Antiarteriosclerotic				
Antiarthritic	Economic & Medicinal Plant Research, 6: 189.			
Anticoronary	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Antieczemic	Economic & Medicinal Plant Research, 6: 189.			
Antifibrinolytic	Economic & Medicinal Plant Research, 1: 53.			
Antigranular				
Antihistaminic	Economic & Medicinal Plant Research, 6: 189.			
Antiinflammatory IC50=31 uM				
Antileukotriene-D4 IC50=31 uM				
Antimenorrhagic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antiprostatic	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Cancer-Preventive	Stitt, P. A. Why George Should Eat Broccoli. Dougherty Co, Milwaukee, WI, 1990, 399 pp.			
Carcinogenic	Science News, 146: 421.			
Comeolytic				
Hepatoprotective				
Hypocholesterolemic	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)			
Immunomodulator	Economic & Medicinal Plant Research, 6: 189.			
Insectifuge	Jacobson, M., Glossary of Plant-Derived Insect Deterrents, CRC Press, Inc., Boca Raton, FL, 213 p, 1990.			
Metastatic	Science News, 146: 421.			
Nematicide	Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.			
Propepic				

LYSINE	Root	--	--	*
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<b>Activities (4)</b>				
Antialkalotic	Martindale's 29th			
Antiherpetic 0.5-3 g/day				
Essential	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.			
Hypoarginanemic 250 mg/kg	Martindale's 29th			

METHIONINE	Root	--	--	*
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<b>Activities (15)</b>				
Anticataract	Pizzorno, J.E. and Murray, M.T. 1985. A Textbook of Natural Medicine. John Bastyr College Publications, Seattle, Washington (Looseleaf).			
Antidote (Acetaminophen) 10 g/16hr/man/orl	Martindale's 29th			
Antidote (Paracetamol) 10 g/16hr/man/orl	Martindale's 29th			



Hypocholesterolemic Nigg, H.N. and Seigler, D.S., eds. 1992. *Phytochemical Resources for Medicine and Agriculture*. Plenum Press, New York. 445 pp.  
 Ovulant  
 Sedative

THREONINE Root -- -- \*

**Activities (4)**

Antioxidant?  
 Antiulcer Martindale's 29th  
 Essential Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants*. Taylor & Frost, London. 791 pp.  
 FLavor FEMA 1,000 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

THREONINE Shoot -- -- \*

**Activities (4)**

Antioxidant?  
 Antiulcer Martindale's 29th  
 Essential Jeffery B. Harborne and H. Baxter, eds. 1983. *Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants*. Taylor & Frost, London. 791 pp.  
 FLavor FEMA 1,000 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

TYROSINE Shoot -- -- \*

**Activities (8)**

Antidepressant?  
 Antiencephalopathic Martindale's 29th  
 Antiparkinsonian 100 mg/kg/day Werbach, M. 1993. *Healing with Food*. Harper Collins, New York, 443 pp.  
 Antiphenylketonuric Martindale's 29th  
 Antiulcer 256 mg scu Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. *Drug Dosage in Laboratory Animals: A Handbook*. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.  
 Antiulcer 400 mg/kg ipr rat Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. *Drug Dosage in Laboratory Animals: A Handbook*. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.  
 Cancer-Preventive Stitt, P. A. *Why George Should Eat Broccoli*. Dougherty Co, Milwaukee, WI, 1990, 399 pp.  
 Monoamine-Precursor Pizzorno, J.E. and Murray, M.T. 1985. *A Textbook of Natural Medicine*. John Bastyr College Publications, Seattle, Washington (Looseleaf).

TYROSINE Root -- -- \*

**Activities (8)**

Antidepressant?  
 Antiencephalopathic Martindale's 29th  
 Antiparkinsonian 100 mg/kg/day Werbach, M. 1993. *Healing with Food*. Harper Collins, New York, 443 pp.  
 Antiphenylketonuric Martindale's 29th  
 Antiulcer 256 mg scu Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. *Drug Dosage in Laboratory Animals: A Handbook*. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.  
 Antiulcer 400 mg/kg ipr rat Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. *Drug Dosage in Laboratory Animals: A Handbook*. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.  
 Cancer-Preventive Stitt, P. A. *Why George Should Eat Broccoli*. Dougherty Co, Milwaukee, WI, 1990, 399 pp.  
 Monoamine-Precursor Pizzorno, J.E. and Murray, M.T. 1985. *A Textbook of Natural Medicine*. John Bastyr College Publications, Seattle, Washington (Looseleaf).

VALINE Root -- -- \*

**Activities (3)**

Antiencephalopathic Martindale's 29th  
 Essential  
 FLavor FEMA 1,000-2,000 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry

VALINE Shoot -- -- \*

**Activities (3)**

Antiencephalopathic Martindale's 29th  
 Essential  
 FLavor FEMA 1,000-2,000 Aloe Research Council - Duke writeup of non-peer reviewd book by Coats and draft by Henry